

PATENT
Serial No. 09/995,467

Amendment in Reply to Final Office Action of July 20, 2005

IN THE CLAIMS

Please amend claims 1-6 and 11-14 as follows:

1 1. (Currently Amended) A radio communication system having a
2 communication channel comprising a plurality of paths between a
3 transmitter having a plurality of antennas and a receiver having at
4 least one antenna, wherein the transmitter comprises:

5 path characterisation-characterization means for determining
6 at least one transmission property of each path of said plurality
7 of paths,

8 data categorisation-categorization means for determining and
9 assigning a data quality category to a set of data for
10 transmission, said data categorization means being adapted to
11 assign different categories to different segments of the set of
12 data from an application; and

13 mapping means responsive to said data-path characterisation
14 characterization means and said data categorisation-categorization
15 means for determining a mapping to apply the set of data to the
16 transmitter's plurality of antennas such that the set of data is
17 transmitted over a path or paths in which the determined data
18 quality of the set of data corresponds to the at least one